980260

Expanded Site Inspection Workplan

FIELD ACTIVITY
WORK PLAN

FOR:

National Railway
LPC1610700009
ILD 984 903 203

PREPARED BY: The Office of Site Evaluation
CERCLA SITE ASSESSMENT UNIT
DIVISION OF LAND POLLUTION CONTROL
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
1021 NORTH GRAND AVENUE E.
SPRINGFIELD, ILLINOIS 62794-9276

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I. SITE INFORMATION

A. GENERAL

Site Name: National Railway

Site Location: Silvis, Illinois

Work plan prepared by: Tony Wasilewski

Work plan approved by: US EPA- Hamblin, Patrick Digitally signed by Hamblin, Patrick Date: 2021.10.14 14:17:27 -05'00'

Work plan approved by: Illinois EPA – Jerry Willman

Estimated date of inspection: October 25-27, 2021

B. THE ASSIGNMENT (briefly describe the objectives of the inspection and how they are going to be accomplished.)

The Site Reassessment with sampling will be conducted to: 1) Collect data which would satisfy both site assessment and potentially remedial program activities. This would incorporate drinking water sample concerns. 2) The objectives of the Site Reassessment Inspection are to assess current conditions and to determine whether the site is National Priorities List (NPL) caliber. If the determination is made that the site is NPL caliber, additional data may likely be needed to complete the assessment. A sampling plan to accommodate Site Reassessment Inspection needs should be developed. 3) Determination of site sampling needs will be accomplished with an understanding to assure adequate data for the preparation of the Hazard Ranking System (HRS) score as well as the need for possible initial sampling for the remedial investigation. The Site Reassessment will consist of drinking water samples collected

from surrounding residents with private wells. This sampling will attempt to assess the current conditions present off site. This sampling project will take place during the week of October 25-27 , 2021.

C. SITE DESCRIPTION and HISTORY (briefly describe the site, including location, unique geological features, source(s) of contamination, and methods of disposal and current status of activities.)

The site is located at 300 9th Street in Silvis, Illinois in the northeast portion of Rock Island County. The currently active site encompasses a diesel locomotive maintenance and repair facility, including a rail yard that is situated on approximately 83 acres of land. The facility was originally owned and operated by Rock Island Railroad beginning in 1905. After Rock Island Railroad went bankrupt in the early 1980's, the facility was purchased by Chrome Locomotive a division of the Varlen Corporation. Chrome Locomotive performed repair and maintenance of diesel locomotives and components until the facility was sold to National Railway Equipment Company in 1990, who is the current owner as of the date of this report.

The site consists of several buildings and shops, warehouses, an office building, outside storage areas, yard and running track, parking lots, and grassy and gravel areas. The largest building, Main Shop Building, is located within the central portion of the property and covers an area of approximately 275,000 square feet. Locomotives scheduled for maintenance and repair are stored in the rail yard located east of the Main Shop Building. The concrete foundation of a former round house located west of the Main Shop Building is used to store diesel engines. This round house was razed in the early 1950's. Other locomotive parts and components are stored outside at several

areas located northeast of the Main Shop Building. The facility performs dismantling and scrapping operations south of the Sand Blasting Building. A 100,000-gallon water storage tank and a million-gallon water reservoir are located in the north central area of the Site (Figure 6).

The Site is bounded by several parcels located in a mixed area of industrial, commercial, and residential use. The northwest portion of the Site is bounded by the former John Deere Company Foundry. The northern, eastern, and southern property boundaries of the Site are bounded by several parcels from another owner. The property beyond the northern bounding parcel is owned by John Deere Company, including a permitted foundry landfill bordering the northern property boundary of the Site. This parcel is bounded to the north by the Burlington Northern-Sante-Fe railway. Residential areas are Non-responsive, PII John Deere foundry. Commercial and residential areas are Non-responsive, PII of the Site and a railroad easement.

Approximately 59,238 people are located within 4-miles of the subject property. No residences, schools, or day care centers are located within 200 feet of the area of observed contamination.

According to IEPA files, the National Railway property was originally owned by Silvis Shops (aka. Rock Island Railroad property) which was constructed in 1903. Silvis Shops owned over one thousand acres, but the main operations were conducted on the 82 acres on what is now National Railway property. Silvis Shops operated as a locomotive refurbishing plant who's processes included the cleaning, painting and reassembly of locomotives. The facility used several tanks and vats to contain

stripping and degreasing products. Historical fire insurance maps (Sanborn) of 1950 indicate a coal and coke casting furnace was present along with a locomotive refueling depot.

National Railway purchased the property from Chrome Locomotive in 1990. IEPA agency files document that during the years of operation from 1903 to the present, hazardous waste generated by the facility included solvents and paint sludges. Sludges produced were reportedly taken by Roto-Rooter while other liquid waste was discharged into two oil lagoons located to the north of the facility on John Deere property. According to an employee of National Railway, who had also worked for the previous owners Silvis Shops and Chrome Locomotive, a pretreatment plant was put into operation in approximately 1967 which treated the wastewater before discharging into the lagoons. In approximately 1969, the facility was connected to the East Moline sewer system to collect facility wastewater which prevented wastewater from discharging into the lagoons. In 1981 the John Deere Company sampled the lagoons and found them to contain elevated levels of heavy metals. Silvis Shops declared bankruptcy in 1981 and was subsequently purchased by Chrome Locomotive who continued the operations of locomotive refurbishing.

II. SAFETY CONSIDERATIONS

A. PHYSICAL HAZARDS

The sampling done during the Site Reassessment will be drinking water sampling. The proper access agreements must be obtained prior to sampling to avoid any confrontation from residences and other property owners. The lifting of sample coolers is another physical hazard; therefore, proper lifting techniques must be used.

B. CHEMICAL HAZARDS AT SITE (briefly identify those chemicals that are known or are suspected to be present, include their state and physical characteristics).

Based upon past sampling data the potential contaminants of concern are organics and inorganics. Caution will be taken to eliminate spilling and splashing of drinking water samples.

C. DERMAL AND RESPIRATORY PROTECTION (identify the level of personal protection that will be used, including anticipated modifications).

Level D protection will be used at all times, with continuous air monitoring during the sample collection using a PPB Rae. If an increase occurs, the following will be implemented:

Instrument Reading	Action
0-5 units over background	Level C
5-50 units over background	Level B
50-500 units over background	Level A, Site Assessment Unit will vacate the area and contact the IEPA, Health and Safety Unit and re-evaluate the situation.

D. EMERGENCY INFORMATION

Fire Service:	Silvis Fire Department 911 emergency
Police:	Silvis Police Department (309)792-1841 non-emergency 911 emergency

III. FIELD ACTIVITIES

A. TEAM ASSIGNMENTS

Name	Responsibility
Tony Wasilewski	Project Manager
Jacob Fink	Safety Officer/Sampler
Jerry Willman	Chain of Custody
Eric Small	Sampler

B. FIELD WORK PROPOSED

All work conducted over the course of this CERCLA investigation will be performed in accordance with the Bureau of Land, Sampling Procedures Guidance Manual, dated September 1996.

(check all that apply)

	Activity	Page
	Tanks	2.1-2.19
	Containers	3.1-3.12
	Surface Impoundments	4.1-4.8
	Waste Piles	5.1-5.15
	Surface and Near Surface Soils	6.1-6.16
X	Groundwater	7.1-7.40
	Surface Water	8.1-8.10
	Sediment	10.1-10.16
	Leachates	11.1-11.7

Lead-Based Paint Chips	12.1-12.8
Asbestos	13.1-13.3
Wipes for PCB's	14.1-14.10
Geoprobe	15.1-15.16
Others:	

IV. SAMPLING

A. PROCEDURES (briefly describe the procedures the inspection team will employ in their collection of environmental samples).

Drinking water samples will be collected from the and nearby residents. Latex gloves will be worn for each sample taken. *LOCATION OF SAMPLES* (identify the number of samples, their type and their location.)

(Locations are included in Sampling Map attachment)

Sample	Type	Justification
G201-G209	Drinking Water	Target Compound List Hg and mercury
Trip Blank 1-3	Drinking Water	VOA-Trace

C. ANALYTICAL SERVICES (identify the laboratory that will perform the analysis of the samples taken at the site, include requested analysis)

Most samples collected during this CERCLA inspection will be analyzed through the U.S. EPA Contract Laboratory Program. The specific name of the laboratories performing the analysis will not be known until the Friday prior to the sampling event.

V. ATTACHMENT

A. RECORDS AND DOCUMENTATION (Check the records or documents that will be generated during this project)

X Work Plan

X Safety Plan

X Sampling Plan

X Equipment Checklist

X Log Book

X Chain of Custody Records

X Sample Analysis Records

X Photographs

Drilling Logs

Correspondence

Personal Interview Tapes or Transcripts

X Maps

Instrument Calibration Records

Procurement Documents

X Projected HRS Score (QuickScore)

Other (specify)

Non-responsive, well locations